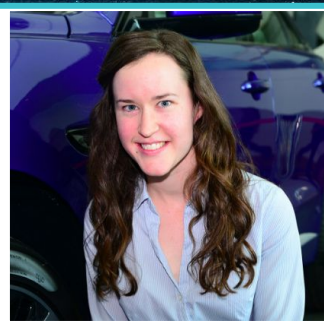


# STEMillions<sup>+</sup>

## Orla Murphy

First released Summer Term 2018



Meal Plan  
**#043**  
30 mins

### Starters 5-10 mins

**Announcements**..... 1 min

Share club member achievements.

**Snack, Cackle & Pop**..... 2 mins

**Snack:** A Banana

**Cackle:**

[www.ducksters.com](http://www.ducksters.com)



**Pop:** Stemillions playlist on Spotify:

[bit.ly/stemillionsplaylist](http://bit.ly/stemillionsplaylist)

**Meet Them** ..... 5 mins

Orla Murphy is an audio engineer at Jaguar Land Rover. Orla realised her love for Science and Engineering when she led a school project on bubbles at the age of 16, which won first prize in the Mathematics, Physics and Chemistry section of the BT Young Scientist Competition and also won Special Award from the Institute of Physics.

**Watch:** [bit.ly/043MeetThem](http://bit.ly/043MeetThem)

**Discuss**

- ★ What is an audio engineer?
- ★ Orla's job combines music and engineering, what other ways do music and engineering overlap?

### Mains 20 mins - choose ONE only

**MAKE**..... 20 mins

**Dragon's Den:** Orla's job combines music and engineering. If you had to combine a speaker with another machine/ device what would you combine it with? Work in pairs/ small groups, sketch out your new device, give it a name, come up with a name for your company. You have 1-minute to sell your device to the rest of your club.

- ★ How many members would buy your new device?

**EXPLORE**..... 20 mins

**Jaguar Land Rover** include a lot of tech in their cars. In pairs, research the following questions:

- ★ What tech is being used currently in cars? What new tech is being brought in?
- ★ Which cars is tech being used in?
- ★ How is it being used?
- ★ Who created it?
- ★ What new tech would you bring in to a car?

Create a mini powerpoint to talk your club through these points and show them your research.

5 minutes before the end of the session, go round and look at everyone's powerpoint, give them constructive feedback on sticky notes.

### Desserts 5 mins

**Share with us** ..... 1 min

Upload photos on Twitter or Instagram and tag @Stemettes and #Stemillions.

**Ask Away**..... 2 mins

Got a question? Ask Away! [bit.ly/Ask-Away](http://bit.ly/Ask-Away)

**Digest**..... 2 mins

Digest this Meal Plan [bit.ly/digest043](http://bit.ly/digest043)